

ATTACHMENT J18

Portland IAP (ANG) Wastewater Collection System

Table of Contents

PORTLAND IAP (ANG) WASTEWATER COLLECTION SYSTEMI

J18 PORTLAND IAP (ANG) WASTEWATER COLLECTION SYSTEM2

 J18.1 PORTLAND IAP (ANG) OVERVIEW..... 2

 J18.2 WASTEWATER COLLECTION SYSTEM DESCRIPTION 2

 J18.2.1 Wastewater Collection System Fixed Equipment Inventory 2

 J18.2.1.1 Description..... 2

 J18.2.1.2 Inventory 3

 J18.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools 6

 J18.2.3 Wastewater Collection System Manuals, Drawings, and Records..... 6

 J18.3 SPECIFIC SERVICE REQUIREMENTS..... 6

 J18.4 CURRENT SERVICE ARRANGEMENT..... 7

 J18.5 SECONDARY METERING..... 7

 J18.6 MONTHLY SUBMITTALS..... 7

 J18.7 INFILTRATION AND INFLOW (I&I) PROJECTS..... 7

 J18.8 SERVICE AREA..... 8

 J18.9 OFF-INSTALLATION SITES..... 8

 J18.10 SPECIFIC TRANSITION REQUIREMENTS..... 8

 J18.11 GOVERNMENT RECOGNIZED SYSTEM DEFICIENCIES..... 8

List of Tables

Fixed Inventory3

Spare Parts6

Specialized Vehicles and Tools6

Manuals, Drawings, and Records.....6

New Secondary Meters.....7

Service Connections and Disconnections8

System Deficiencies.....8

J18 Portland IAP (ANG) Wastewater Collection System

J18.1 Portland IAP (ANG) Overview

The 142nd Fighter Wing (FW) of the Oregon Air National Guard occupies 246 acres of leased land on the Portland International Airport (IAP), located approximately five miles south of Portland, Oregon. The mission of the 142nd FW is to provide operational headquarters and training facilities for the installation and tenant units, support the Oregon Emergency Action Plan, and service to the community. The unit currently flies the F-15 Eagle. The 142nd FW occupies 5 administrative, 63 industrial and 4 services buildings totaling approximately 691,839 square feet with 576 full-time personnel. A unit training drill is conducted twice a month and results in a surge of up to a total of 1332 personnel.

J18.2 Wastewater Collection System Description

J18.2.1 Wastewater Collection System Fixed Equipment Inventory

The Portland IAP (ANG) Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines, manholes, lift stations, pumps and valves. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

- ?? Oil water separators
- ?? Storm sewers
- ?? City of Portland-owned lift station

J18.2.1.1 Description

The wastewater collection system operates via gravity flow and force mains. There is one entry point to the system and one separate exit location. The wastewater collection system consists of approximately 13,900 linear feet of PVC pipe, 3,000 linear feet of concrete pipe and 3,200 linear feet of vitrified clay pipe. Pipe diameter ranges in size from four to fifteen inches. Pipe depth ranges from four to 14 feet with tracer wire. The system includes two check valves, two lift stations, two wastewater pumps of two and three horsepower; 17 brick manholes ranging in depth from four to 10 feet, 38 pre-cast concrete manholes ranging in depth from four to 14 feet, 14 poured concrete

manholes ranging in depth from six to 14 feet. Base personnel indicate the capacity of the current system is adequate for present and future needs.

J18.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Portland IAP (ANG) Wastewater Collection System included in the sale.

TABLE 1
Fixed Inventory
Wastewater Collection System Portland IAP (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in)			
	4	455	LF	1988
	4	325	LF	1990
	6	250	LF	1999
	6	360	LF	1986
	6	100	LF	1995
	6	155	LF	1983
	6	340	LF	1992
	6	515	LF	1988
	6	920	LF	1990
	6	310	LF	1985
	6	175	LF	1996
	6	90	LF	1991
	8	100	LF	1994
	8	310	LF	1983
	8	1830	LF	1990
	8	1345	LF	1986
	8	375	LF	1988
	8	2520	LF	1985
	12	2185	LF	1980
	12	190	LF	1990
	15	565	LF	1990
Force Main	4	470	LF	1985
Concrete Pipe	(in)			
	6	705	LF	1977

Item	Size	Quantity	Unit	Approximate Year of Construction
	6	395	LF	1994
	6	405	LF	1978
	8	345	LF	1986
	8	80	LF	1971
	8	755	LF	1994
	8	310	LF	1977
Vitrified Clay Pipe	(in)			
	6	485	LF	1941
	6	45	LF	1965
	6	455	LF	1960
	6	115	LF	1956
	6	120	LF	1961
	6	80	LF	1963
	8	710	LF	1941
	8	395	LF	1960
	12	790	LF	1941
Standard Sanitary Sewer Manhole (4 ft diameter)	Depth (ft)			
Brick	4	3	EA	1941
Brick	6	3	EA	1941
Brick	6	1	EA	1960
Brick	6	1	EA	1963
Brick	8	5	EA	1941
Brick	8	1	EA	1960
Brick	8	1	EA	1956
Brick	10	2	EA	1956
Poured Concrete	6	2	EA	1977
Poured Concrete	6	2	EA	1994
Poured Concrete	8	2	EA	1977
Poured Concrete	8	2	EA	1994
Poured Concrete	10	1	EA	1977
Poured Concrete	12	1	EA	1977
Poured Concrete	14	2	EA	1971

Item	Size	Quantity	Unit	Approximate Year of Construction
Poured Concrete	14	2	EA	1978
Pre-Cast Concrete	4	1	EA	1999
Pre-Cast Concrete	4	1	EA	1990
Pre-Cast Concrete	4	1	EA	1985
Pre-Cast Concrete	6	1	EA	1986
Pre-Cast Concrete	6	3	EA	1994
Pre-Cast Concrete	6	3	EA	1990
Pre-Cast Concrete	8	1	EA	1986
Pre-Cast Concrete	8	2	EA	1983
Pre-Cast Concrete	8	1	EA	1988
Pre-Cast Concrete	8	5	EA	1990
Pre-Cast Concrete	8	2	EA	1985
Pre-Cast Concrete	8	2	EA	1986
Pre-Cast Concrete	10	3	EA	1980
Pre-Cast Concrete	10	1	EA	1983
Pre-Cast Concrete	10	1	EA	1990
Pre-Cast Concrete	10	1	EA	1986
Pre-Cast Concrete	10	2	EA	1985
Pre-Cast Concrete	12	1	EA	1994
Pre-Cast Concrete	12	1	EA	1980
Pre-Cast Concrete	12	1	EA	1990
Pre-Cast Concrete	12	3	EA	1985
Pre-Cast Concrete	14	1	EA	1990
Wastewater Lift/Pump Station				
Lift Station 1, Vault 1	5 ft diameter by 5 ft deep	1	EA	1985
Lift Station 1, Vault 2	6 ft diameter by 14 ft deep	1	EA	1985
Lift Station 2, Wet Well	8 ft diameter by 18 ft deep	1	EA	1987
Lift Station 2, Utility Pit	4 ft diameter by 6 ft deep	1	EA	1987
Wastewater Pump	(HP)			
Lift Station 1, duplex, 70 GPM	2	1	EA	1985
Lift Station 2, duplex, 60 GPM	3	1	EA	1987
Check Valves	(in)			

Item	Size	Quantity	Unit	Approximate Year of Construction
	4	2	EA	1985
Notes:				
PVC = Polyvinyl Chloride				
LF = Linear Feet				
In = Inches				
FT = Feet				
GPM = Gallon Per Minute				
HP = Horsepower				
EA = Each				

J18.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and Table 3 lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Wastewater Collection System Portland IAP (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Wastewater Collection System Portland IAP (ANG)

Description	Quantity	Location	Maker
None			

J18.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Wastewater Collection System Portland IAP (ANG)

Qty	Description	Remarks
1	Portland ANG Sewer dated 8 June 2001	AutoCAD Release Version 2000

J18.3 Specific Service Requirements

The service requirements for the Portland IAP (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J18.4 Current Service Arrangement

- ?? Current Provider: City of Portland
- ?? Average Annual Effluent (2000): 23,200 kGal
- ?? Maximum Monthly Effluent: 6,370 kGal August
- ?? Minimum Monthly Effluent: 420 kGal September
- ?? Estimated based on 100% of water usage

J18.5 Secondary Metering

The Contractor shall install and calibrate new secondary meters as listed in **Table 5**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J18.6 below.

TABLE 5
New Secondary Meters
Wastewater Collection System Portland IAP (ANG)

Meter Location	Meter Description
None	

J18.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW Paragraph G.2). The Contractor’s monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor’s monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J18.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None.

J18.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Portland IAP (ANG) boundaries.

J18.9 Off-Installation Sites

No off-installation sites are included in the sale of the Portland IAP (ANG) Wastewater Collection System.

J18.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 6** provides a listing of service connections and disconnections required upon transfer.

TABLE 6
Service Connections and Disconnections
Wastewater Collection System Portland IAP (ANG)

Location	Description
None	

J18.11 Government Recognized System Deficiencies

Table 7 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Portland IAP (ANG) Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 7
System Deficiencies
Wastewater Collection System Portland IAP (ANG)

Project Location	Project Description
None	